

ABSTRACT OF THE DISCLOSURE

5 A parametric audio system having increased bandwidth
for generating airborne audio signals with reduced
distortion. The parametric audio system includes a
10 modulator for modulating an ultrasonic carrier signal with a
processed audio signal, a driver amplifier for amplifying
the modulated carrier signal, and an array of acoustic
transducers for projecting the modulated and amplified
carrier signal through the air along a selected projection
15 path to regenerate the audio signal. Each of the acoustic
transducers in the array is a membrane-type transducer.
Further, the acoustic transducer array is a phased array
capable of electronically steering, focusing, or shaping one
or more audio beams.

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